

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004894.D
 Acq On : 27 May 2021 12:41
 Operator : SY/MD
 Sample : M2531-01
 Misc : 5.54G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-052621

Quant Time: May 27 14:24:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

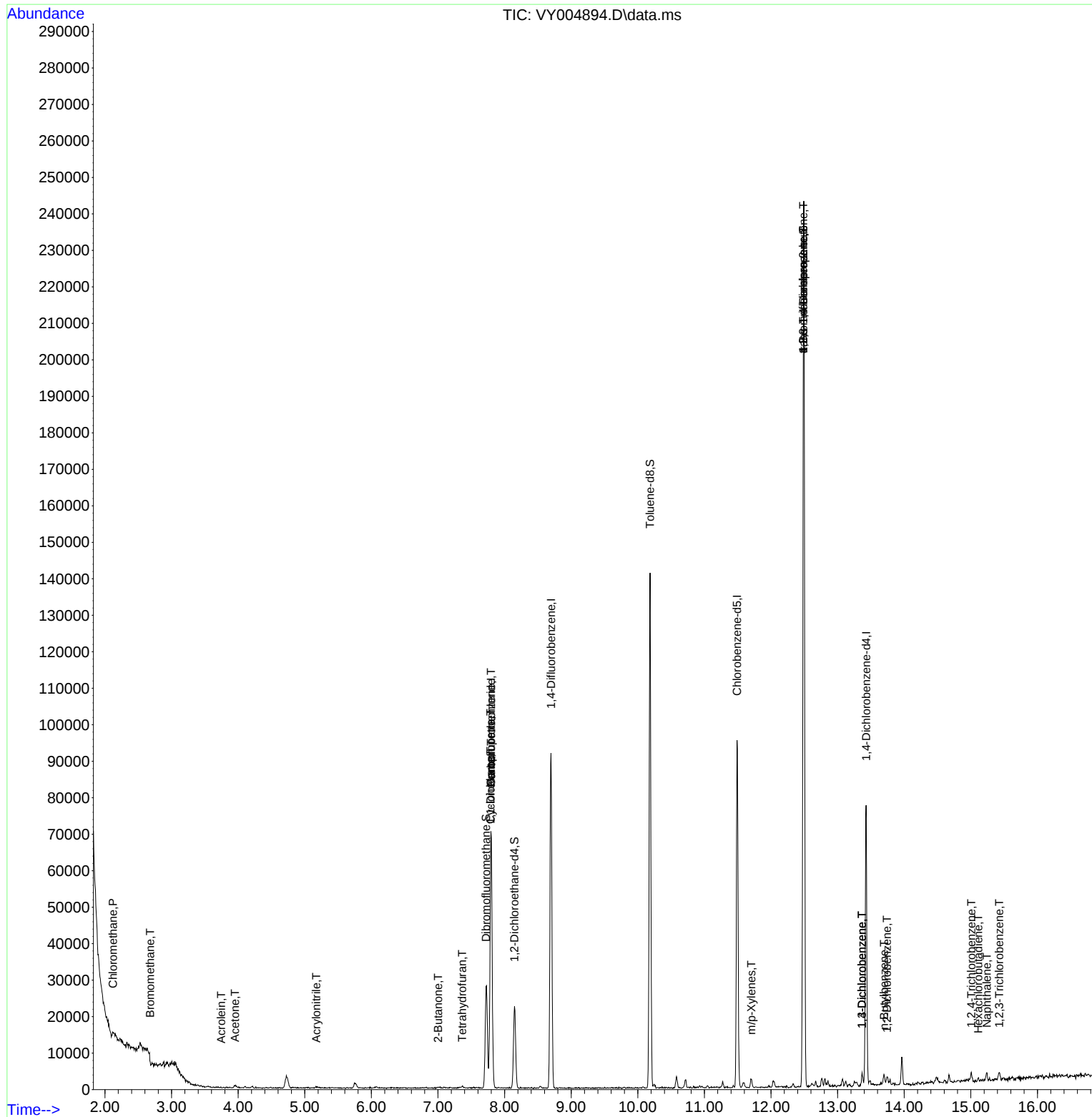
Internal Standards						
1) Pentafluorobenzene	7.795	168	52026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	74821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	50281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	17712	28.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	57.20%		
35) Dibromofluoromethane	7.722	113	19829	48.41	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.82%		
50) Toluene-d8	10.185	98	86305	46.64	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.28%		
62) 4-Bromofluorobenzene	12.483	95	19138	30.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	61.28%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	917	1.19	ug/l #	65
5) Bromomethane	2.680	94	544	1.35	ug/l #	36
13) Acrolein	3.747	56	74	1.01	ug/l #	58
15) Acrylonitrile	5.174	53	416	2.50	ug/l #	75
16) Acetone	3.954	43	1300	9.35	ug/l	98
20) Methylene Chloride	4.729	84	2294	Below Cal	#	80
25) 2-Butanone	7.003	43	251	1.02	ug/l #	51
29) Tetrahydrofuran	7.362	42	410	2.60	ug/l #	52
31) Cyclohexane	7.789	56	1308	1.30	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	4439	5.79	ug/l #	52
38) Carbon Tetrachloride	7.795	117	5042	7.32	ug/l #	16
68) m/p-Xylenes	11.703	106	792	1.10	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	12336	63.06	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12336	109.33	ug/l #	16
87) 1,3-Dichlorobenzene	13.367	146	779	1.27	ug/l	98
88) 1,4-Dichlorobenzene	13.367	146	779	1.28	ug/l	97
89) n-Butylbenzene	13.696	91	1228	1.01	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	800	1.47	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	730	2.09	ug/l	92
94) Hexachlorobutadiene	15.111	225	243	1.28	ug/l	74
95) Naphthalene	15.239	128	1871	2.47	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.428	180	658	2.13	ug/l	95

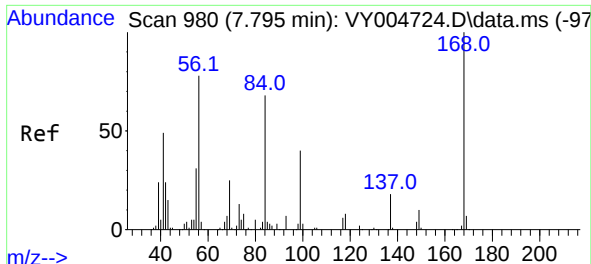
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

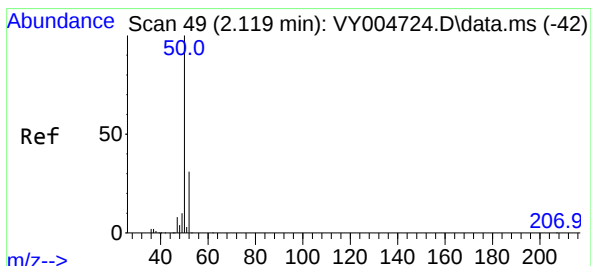
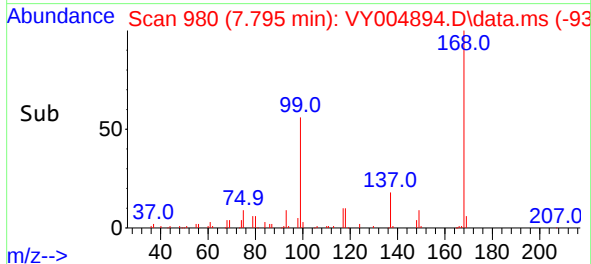
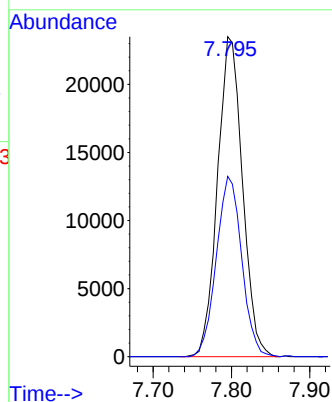
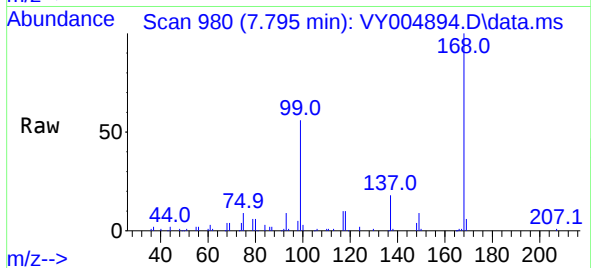




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

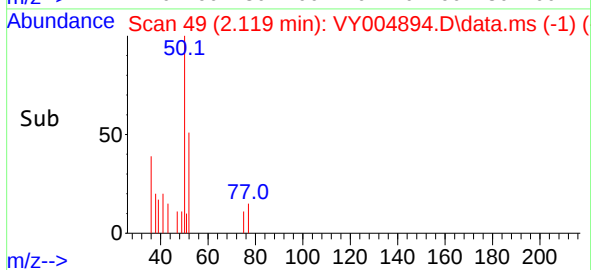
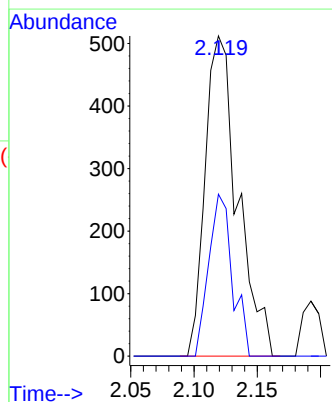
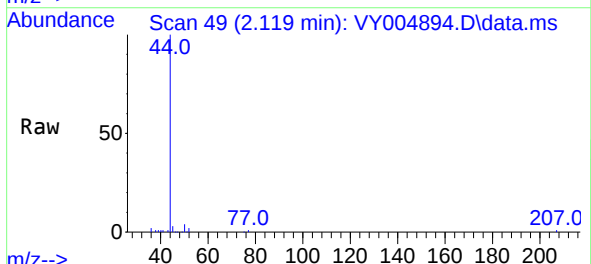
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

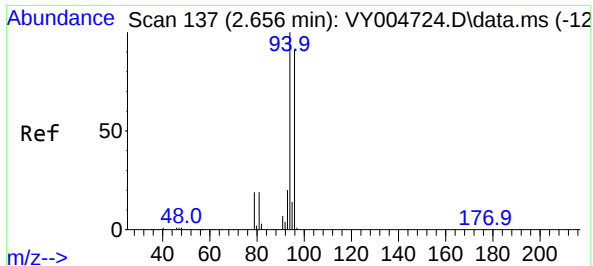
Tgt Ion:168 Resp: 52026
Ion Ratio Lower Upper
168 100
99 56.4 45.6 68.4



#3
Chloromethane
Concen: 1.19 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 50 Resp: 917
Ion Ratio Lower Upper
50 100
52 50.6 25.0 37.6#

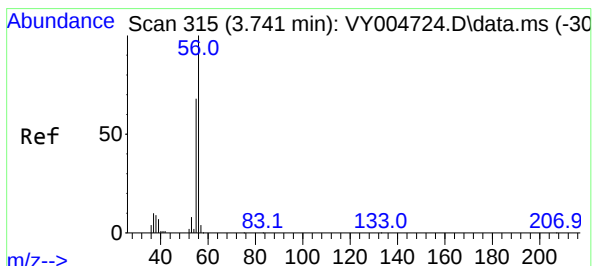
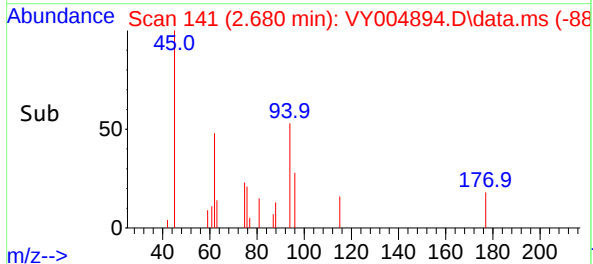
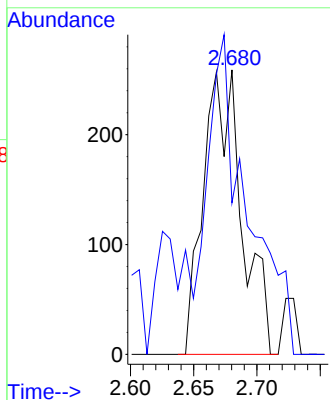
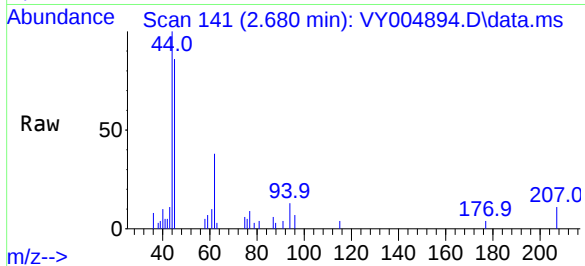




#5
Bromomethane
Concen: 1.35 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

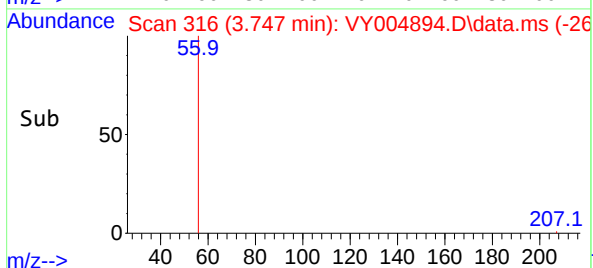
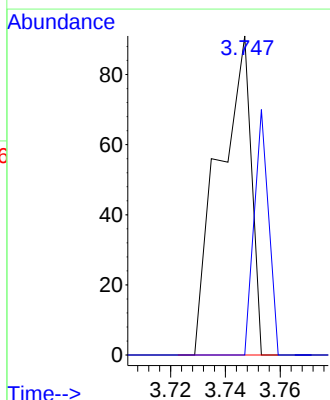
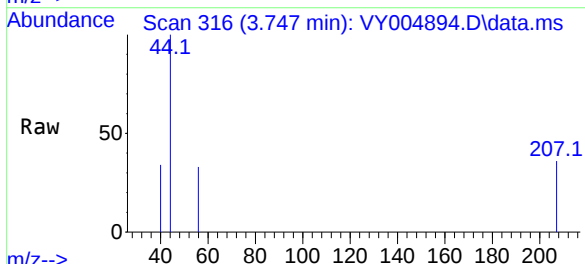
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

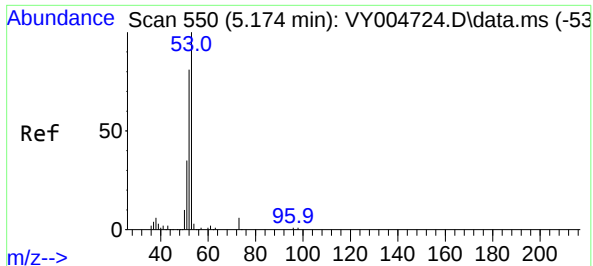
Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 30.5 72.6 109.0#



#13
Acrolein
Concen: 1.01 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 35.1 55.3 82.9#



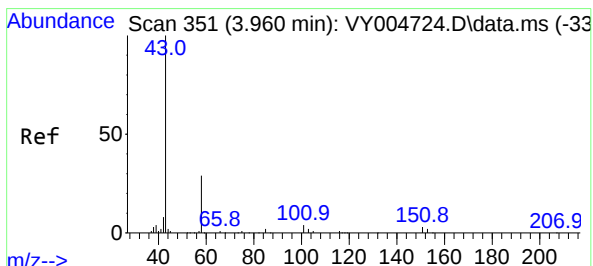
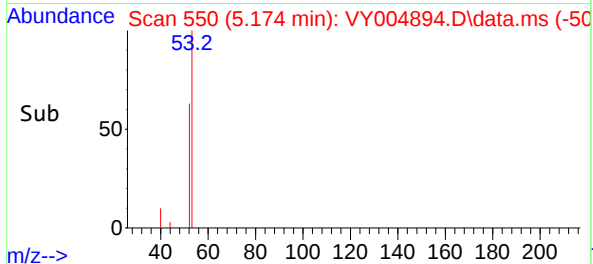
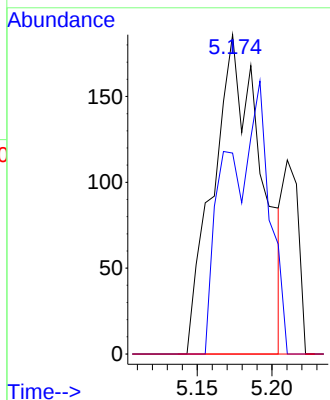
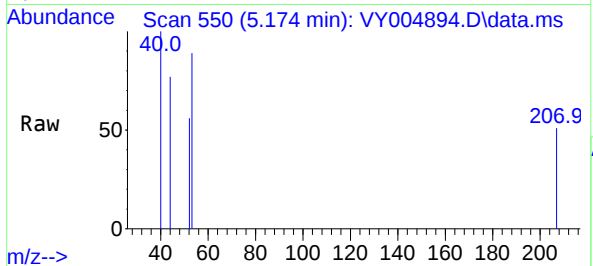


#15
Acrylonitrile
Concen: 2.50 ug/l
RT: 5.174 min Scan# 550
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

Tgt Ion: 53 Resp: 416

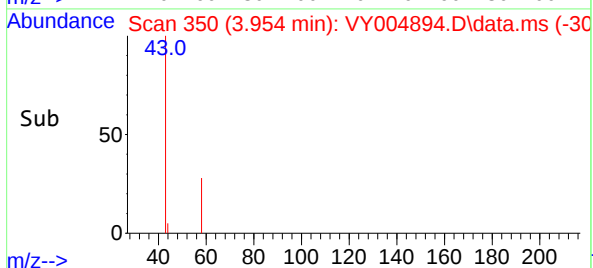
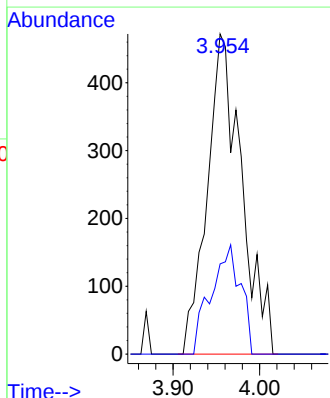
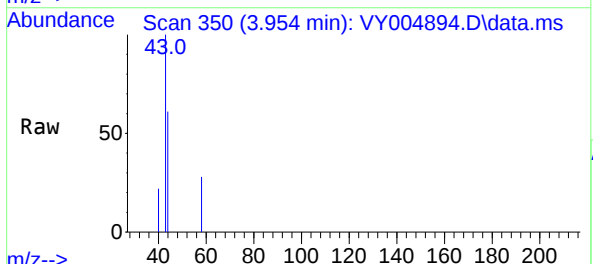
Ion	Ratio	Lower	Upper
53	100		
52	73.6	65.0	97.6
51	0.0	29.3	43.9#

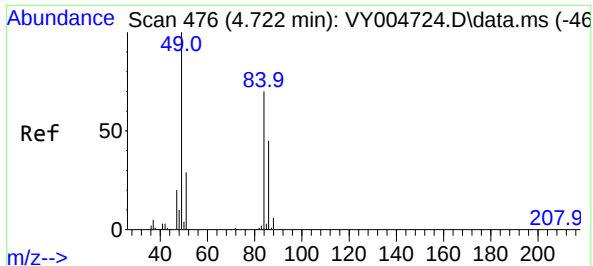


#16
Acetone
Concen: 9.35 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 43 Resp: 1300

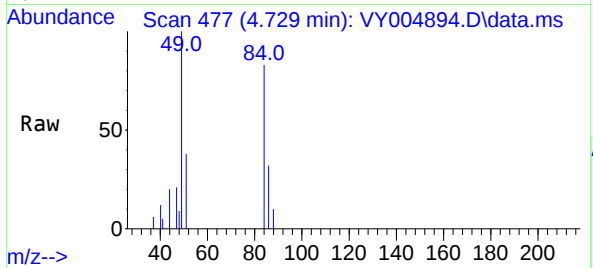
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.6	35.4



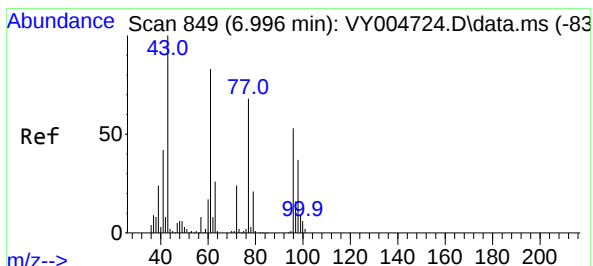
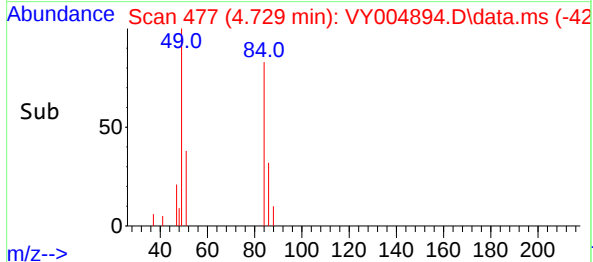
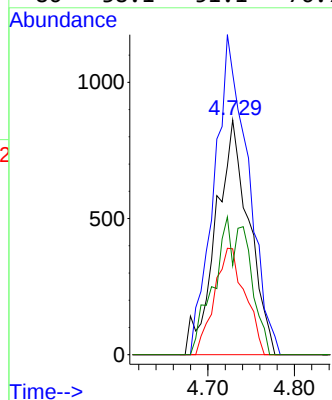


#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

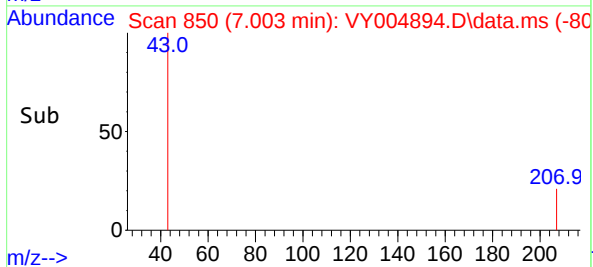
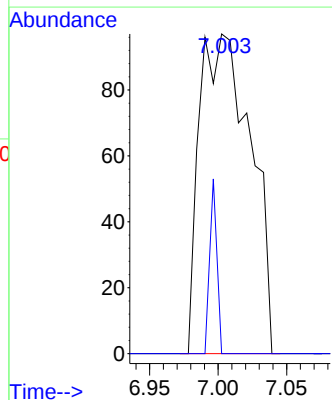
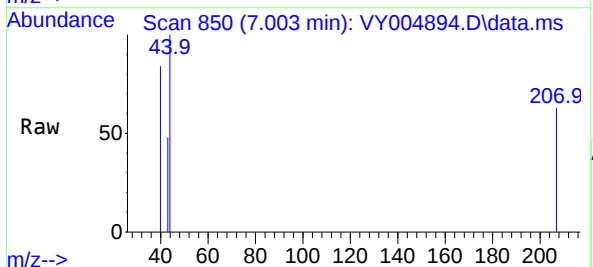


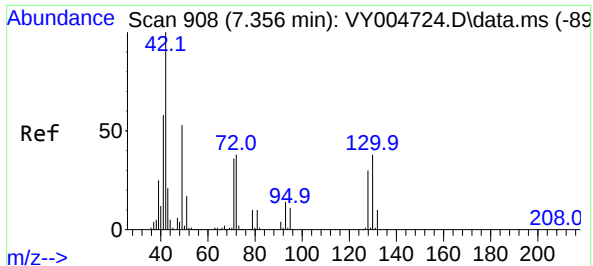
Tgt Ion: 84 Resp: 2294
Ion Ratio Lower Upper
84 100
49 119.8 113.8 170.8
51 45.1 33.5 50.3
86 38.1 51.1 76.7#



#25
2-Butanone
Concen: 1.02 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#





#29

Tetrahydrofuran

Concen: 2.60 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY004894.D

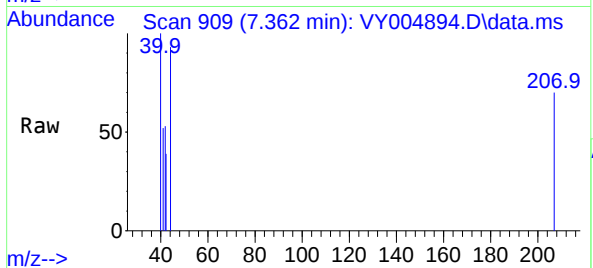
Acq: 27 May 2021 12:41

Instrument :

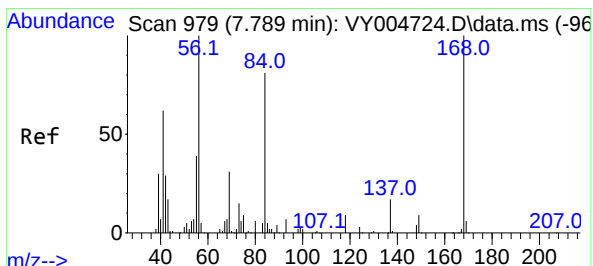
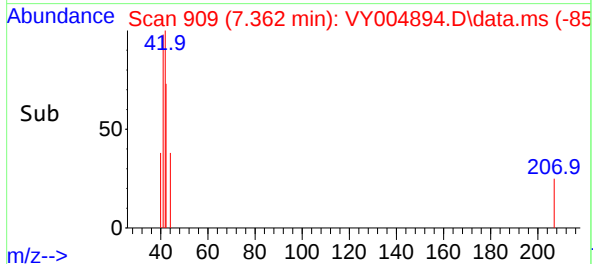
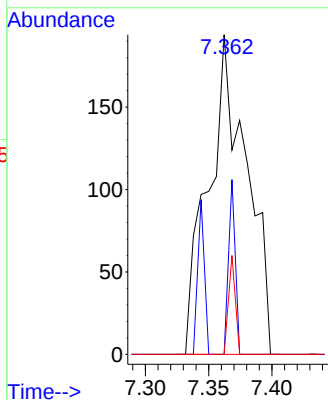
MSVOA_Y

ClientSampleId :

SU-04-052621



Tgt Ion:	42	Resp:	410
Ion	Ratio	Lower	Upper
42	100		
72	9.5	29.4	44.0#
71	5.4	28.0	42.0#



#31

Cyclohexane

Concen: 1.30 ug/l

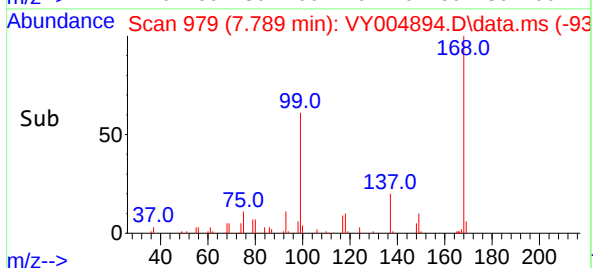
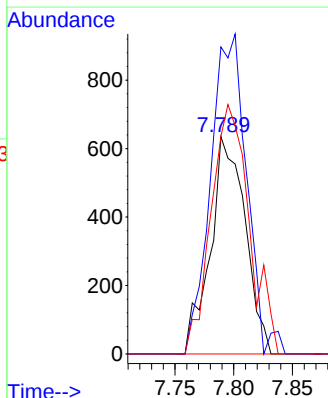
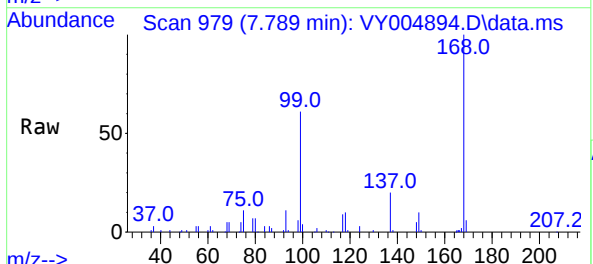
RT: 7.789 min Scan# 979

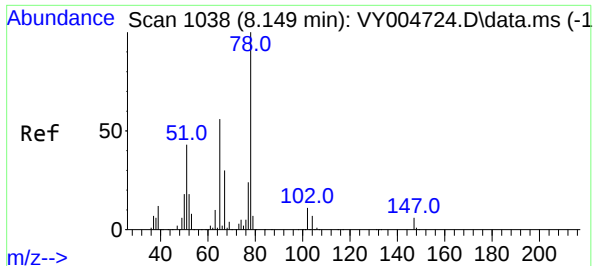
Delta R.T. 0.000 min

Lab File: VY004894.D

Acq: 27 May 2021 12:41

Tgt Ion:	56	Resp:	1308
Ion	Ratio	Lower	Upper
56	100		
69	141.3	24.4	36.6#
84	100.2	64.8	97.2#

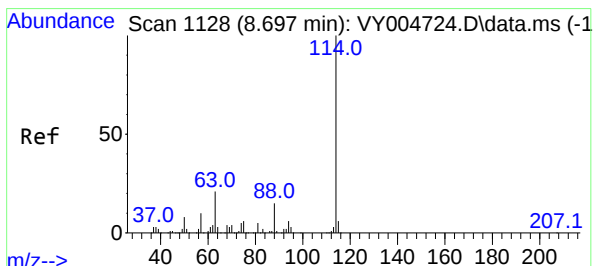
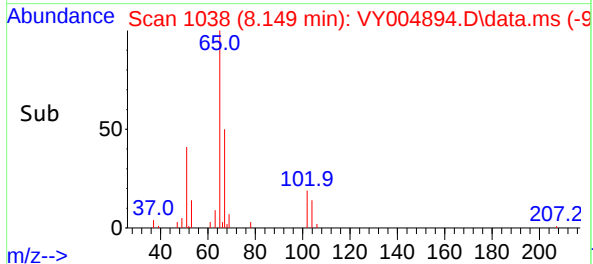
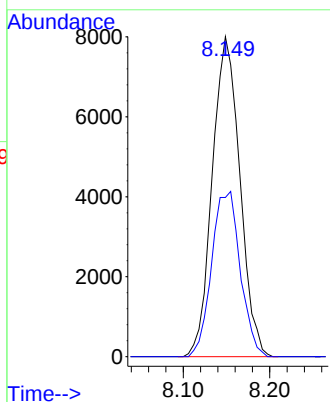
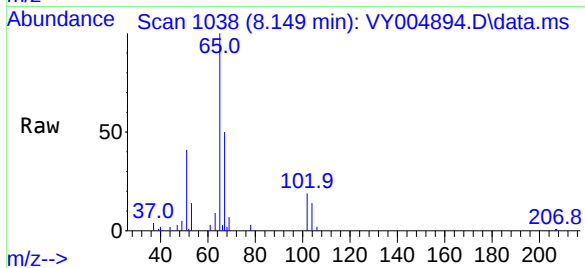




#33
1,2-Dichloroethane-d4
Concen: 28.60 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

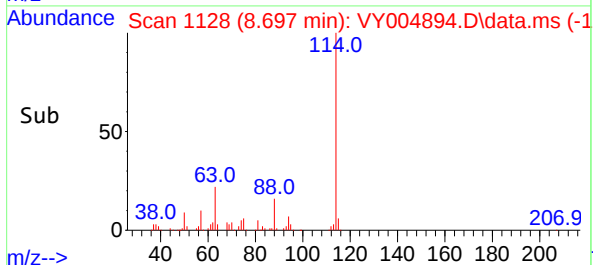
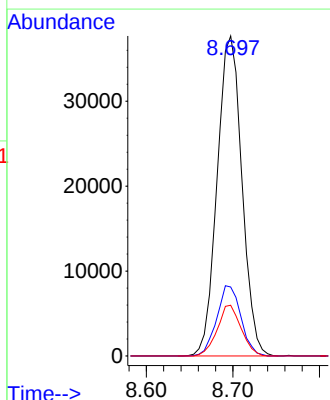
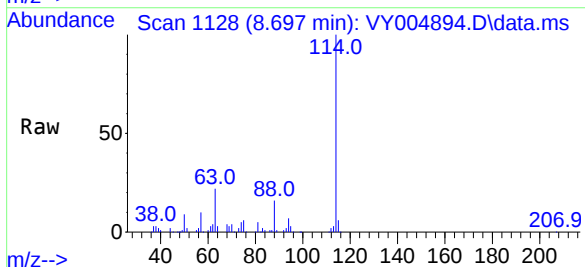
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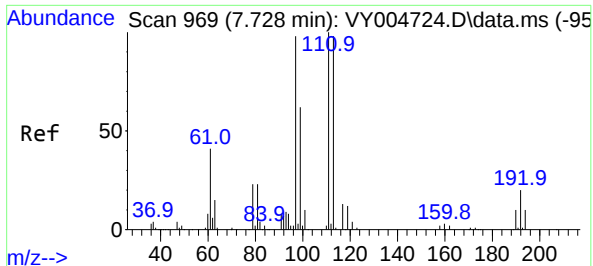
Tgt Ion: 65 Resp: 17712
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 114 Resp: 74821
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.8
88 15.9 0.0 31.0

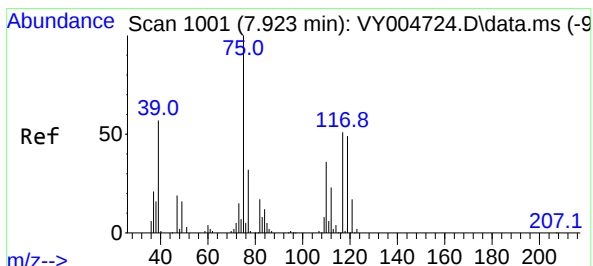
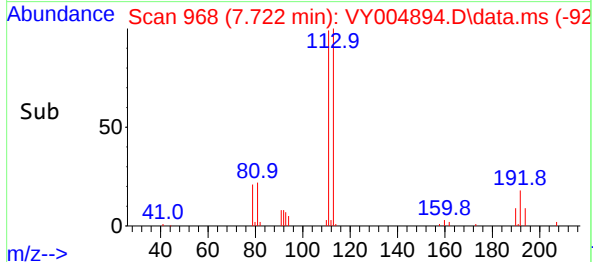
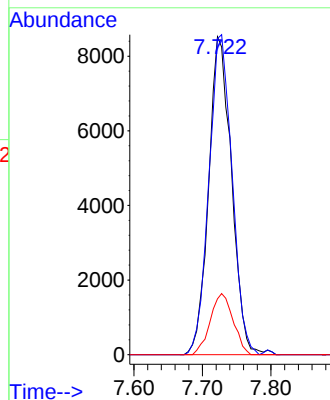
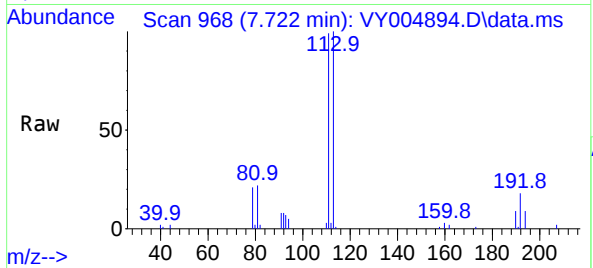




#35
Dibromofluoromethane
Concen: 48.41 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

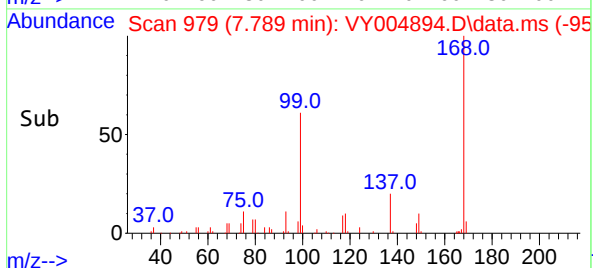
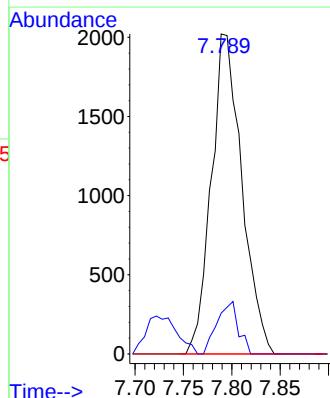
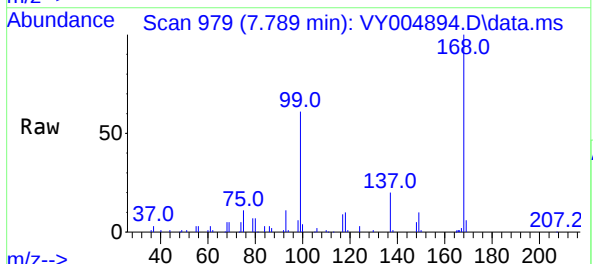
Instrument :
MSVOA_Y
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SU-04-052621

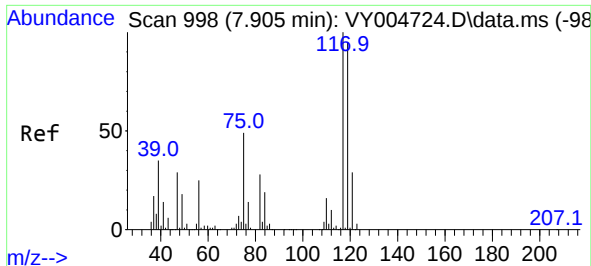
Tgt Ion:	113	Resp:	19829
Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.5	120.7
192	19.2	15.0	22.6



#36
1,1-Dichloropropene
Concen: 5.79 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	75	Resp:	4439
Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.0	50.9#
77	0.0	25.0	37.4#

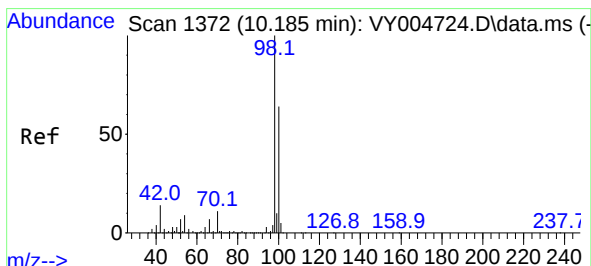
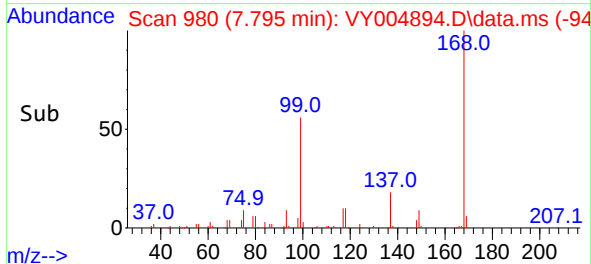
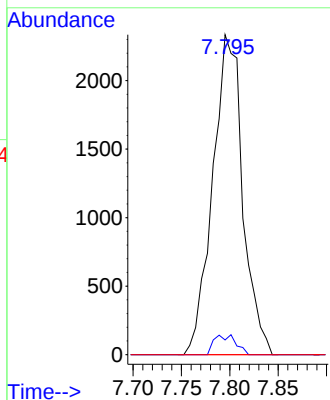
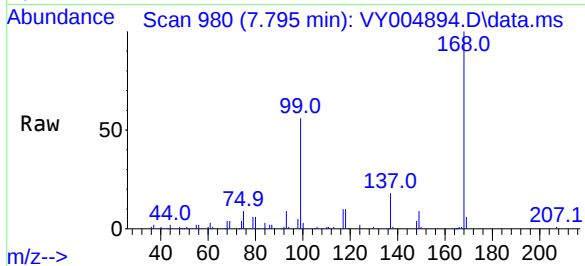




#38
Carbon Tetrachloride
Concen: 7.32 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

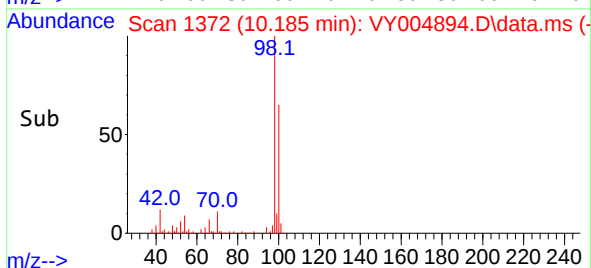
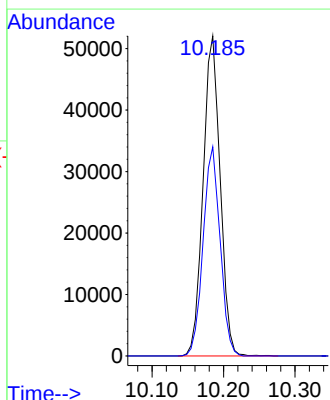
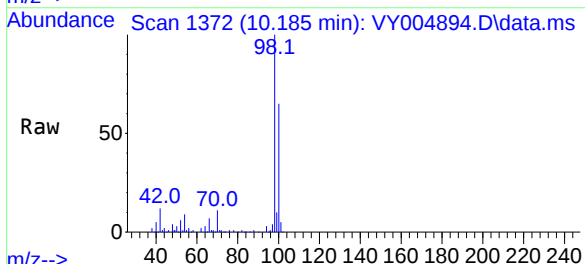
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

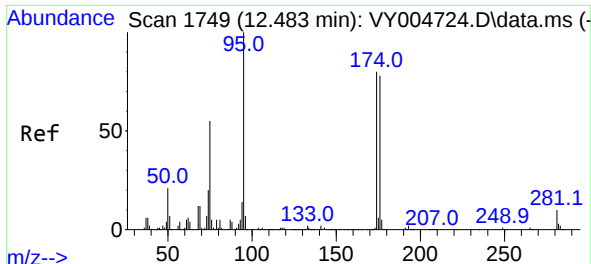
Tgt Ion:117 Resp: 5042
Ion Ratio Lower Upper
117 100
119 4.6 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 46.64 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 98 Resp: 86305
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3

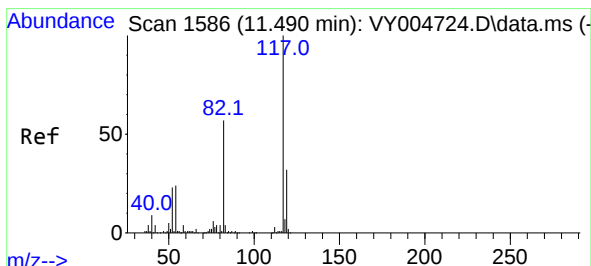
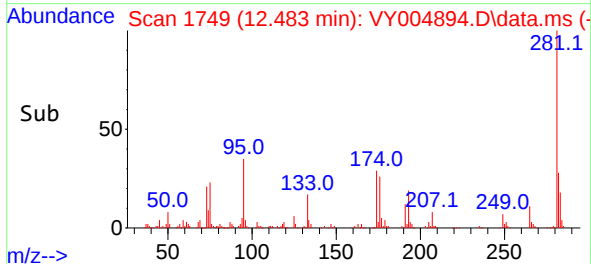
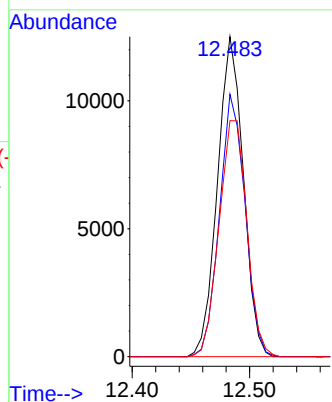
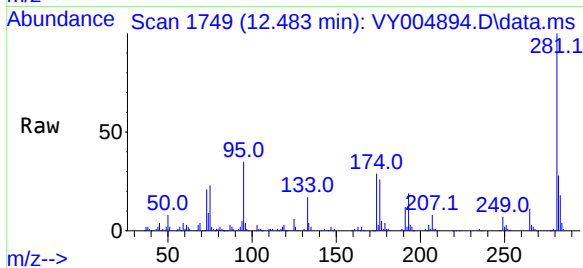




#62
4-Bromofluorobenzene
Concen: 30.64 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

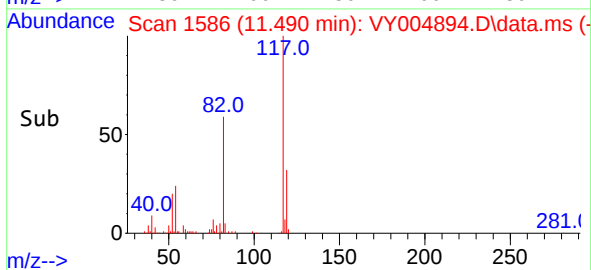
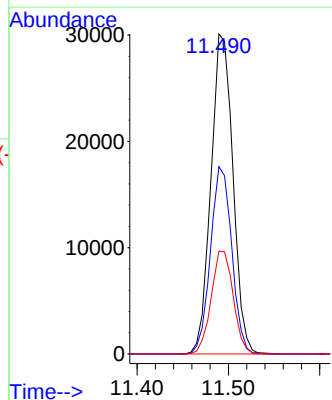
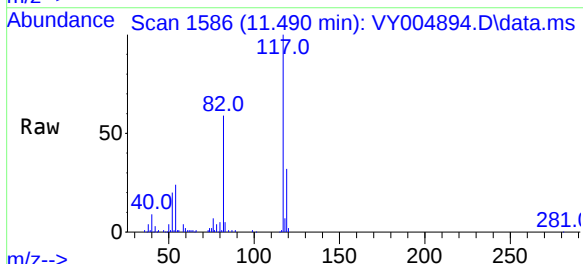
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

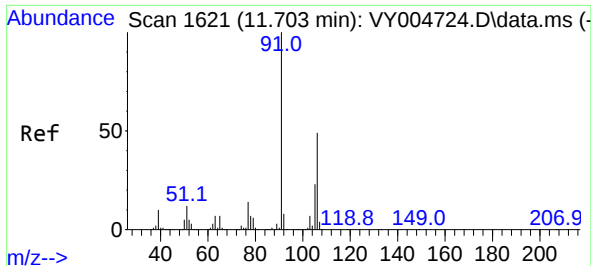
Tgt Ion:	95	Resp:	19138
Ion Ratio	Lower	Upper	
95	100		
174	81.1	0.0	164.2
176	79.7	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	117	Resp:	50281
Ion Ratio	Lower	Upper	
117	100		
82	58.6	45.4	68.2
119	32.2	25.8	38.6

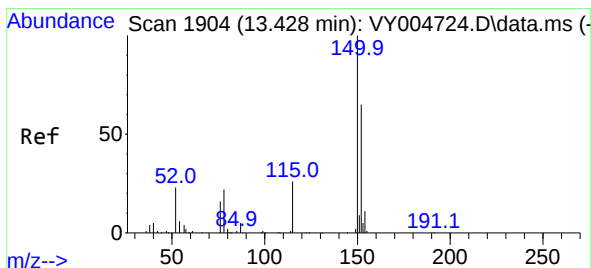
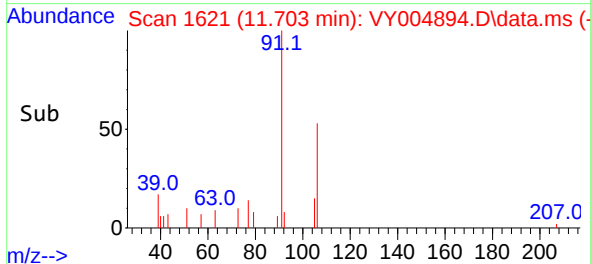
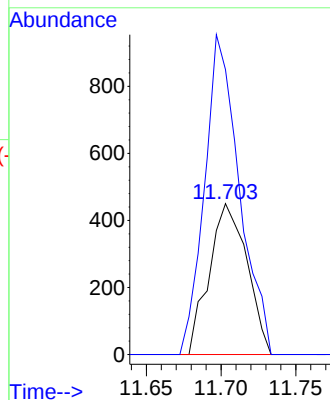
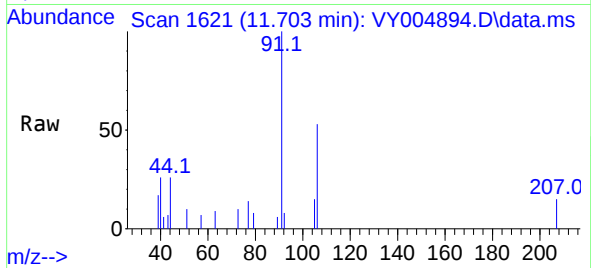




#68
m/p-Xylenes
Concen: 1.10 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

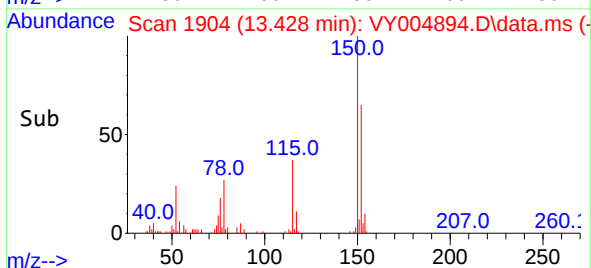
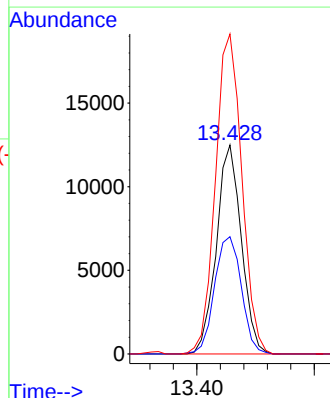
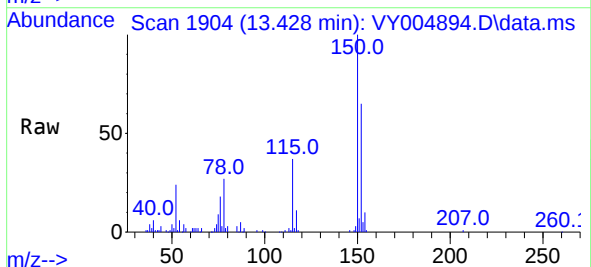
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

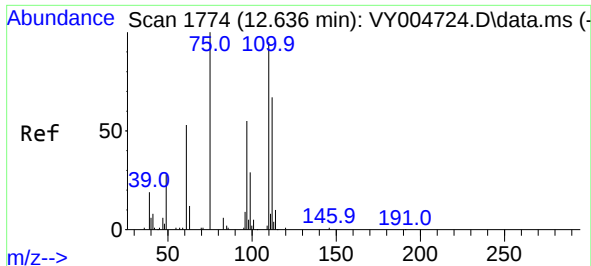
Tgt Ion:106 Resp: 792
Ion Ratio Lower Upper
106 100
91 195.1 163.6 245.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:152 Resp: 18419
Ion Ratio Lower Upper
152 100
115 60.4 29.4 88.3
150 162.2 0.0 349.8

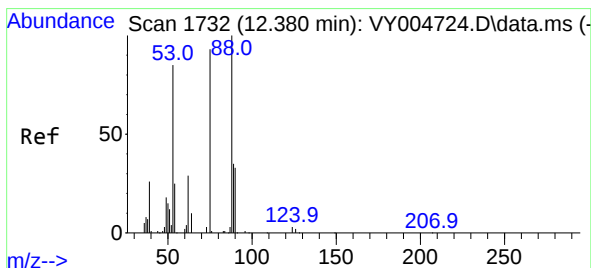
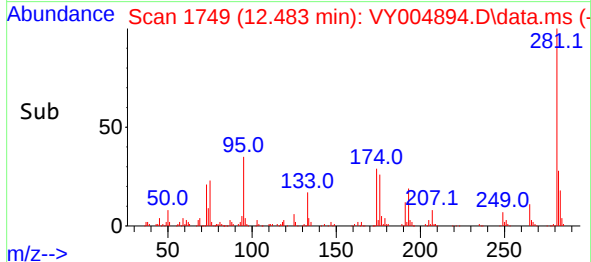
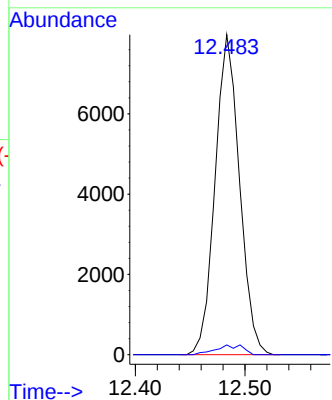
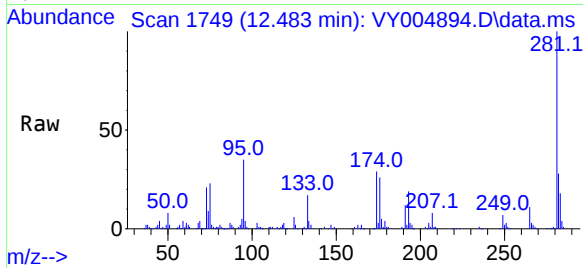




#76
1,2,3-Trichloropropane
Concen: 63.06 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

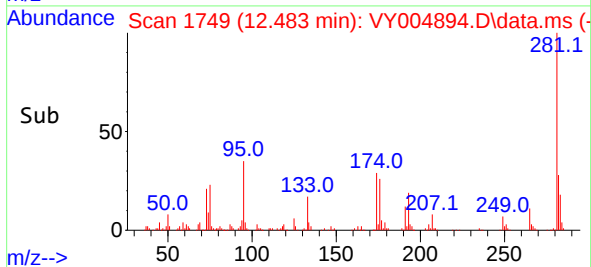
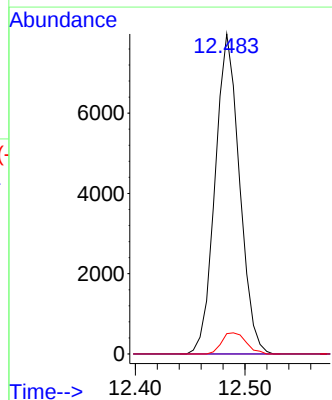
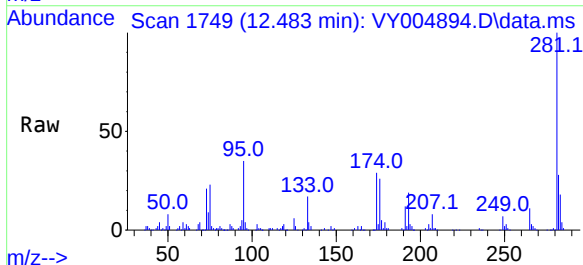
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

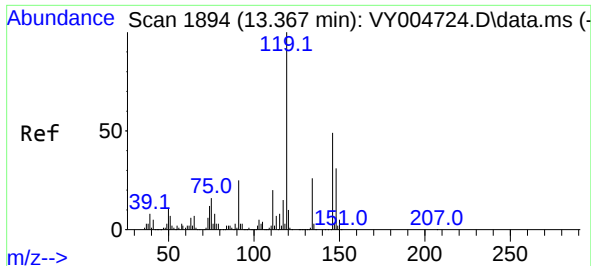
Tgt Ion: 75 Resp: 12336
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.33 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion: 75 Resp: 12336
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 6.6 35.5 53.3#

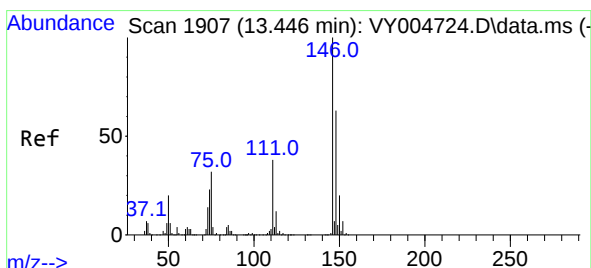
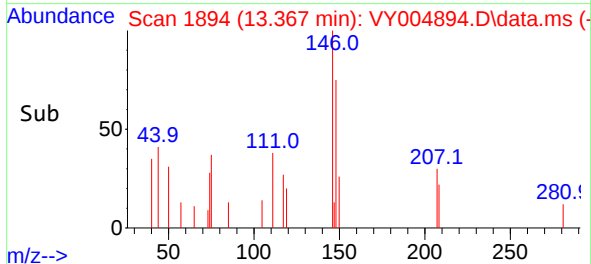
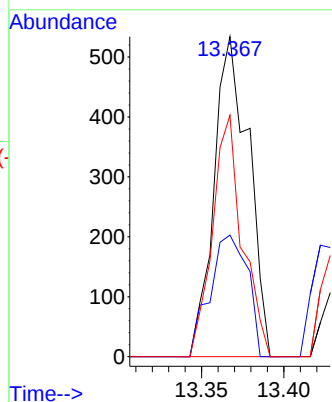
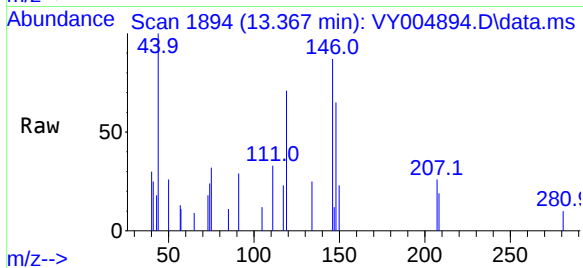




#87
1,3-Dichlorobenzene
Concen: 1.27 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

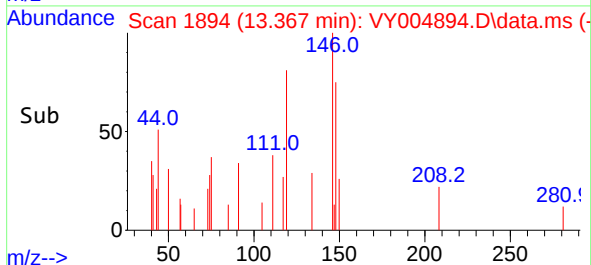
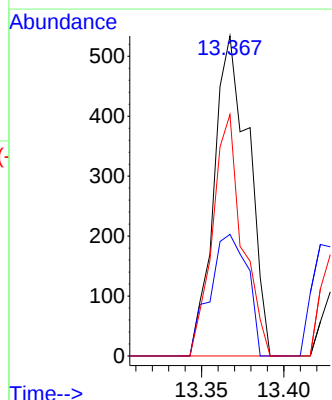
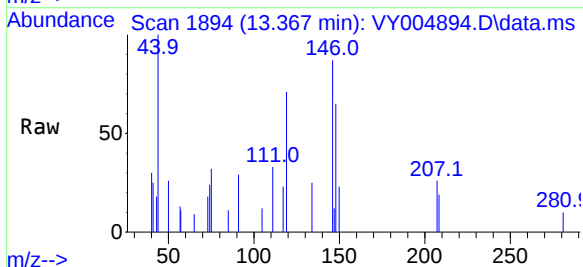
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

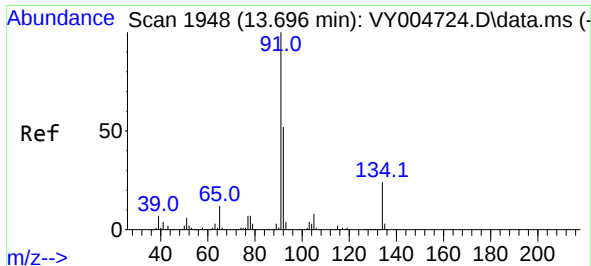
Tgt Ion:	146	Resp:	779
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	65.2	31.9	95.7



#88
1,4-Dichlorobenzene
Concen: 1.28 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.079 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	146	Resp:	779
Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.8
148	65.2	31.9	95.5

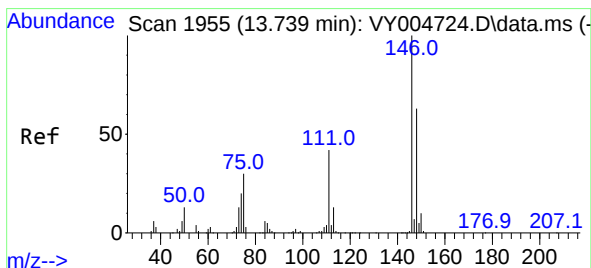
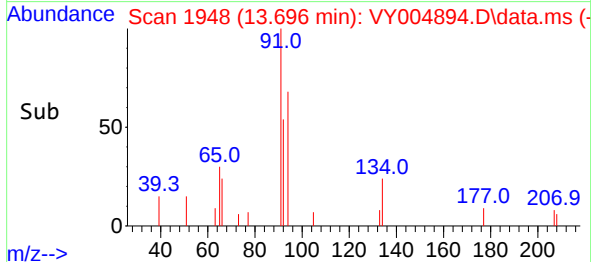
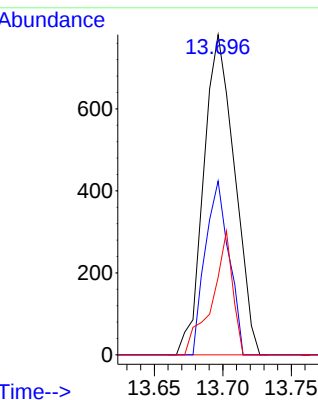
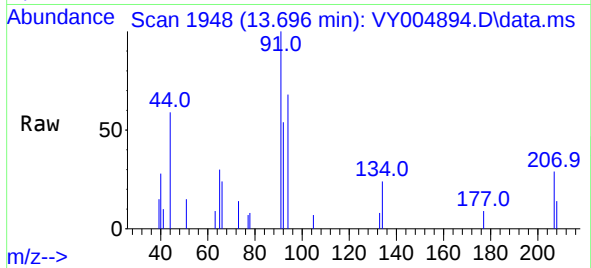




#89
n-Butylbenzene
Concen: 1.01 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

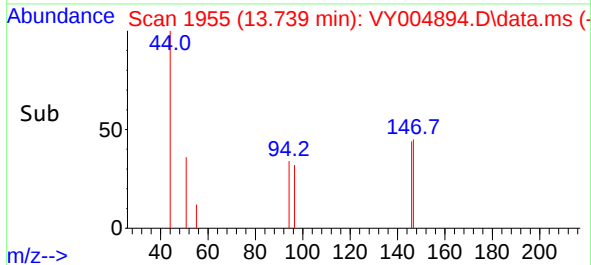
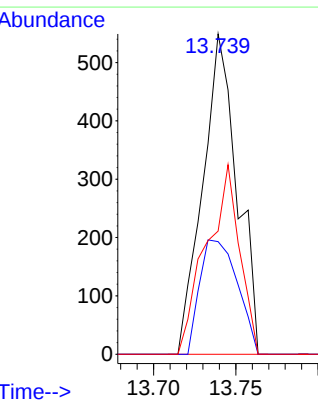
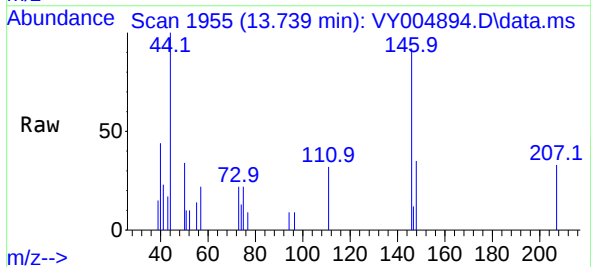
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

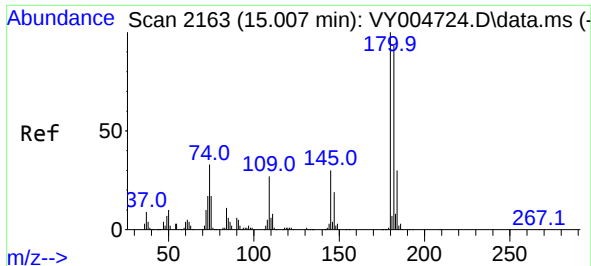
Tgt Ion:	91	Resp:	1228
Ion	Ratio	Lower	Upper
91	100		
92	41.4	26.4	79.0
134	25.7	12.6	37.6



#91
1,2-Dichlorobenzene
Concen: 1.47 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	146	Resp:	800
Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.9	62.7
148	56.9	31.8	95.3

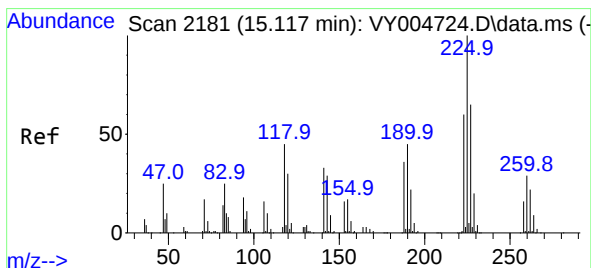
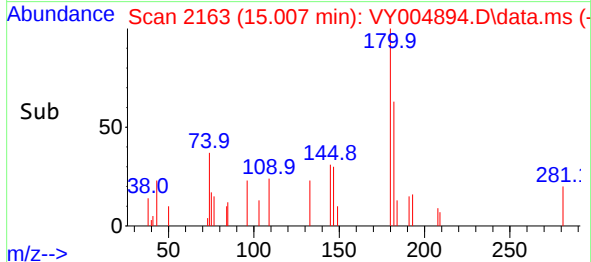
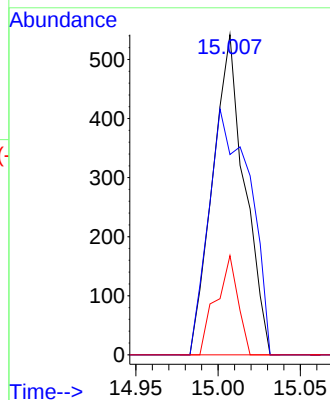
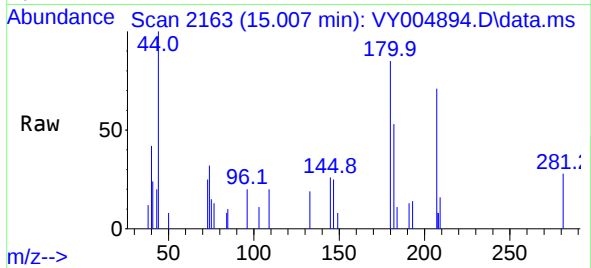




#93
1,2,4-Trichlorobenzene
Concen: 2.09 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

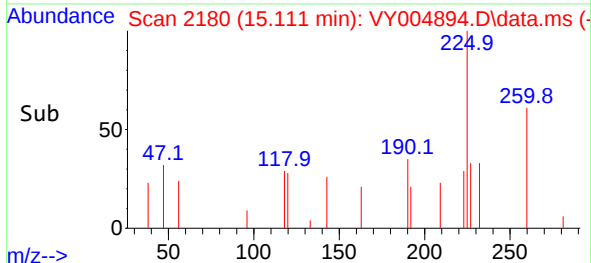
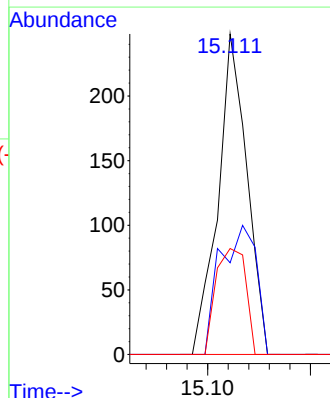
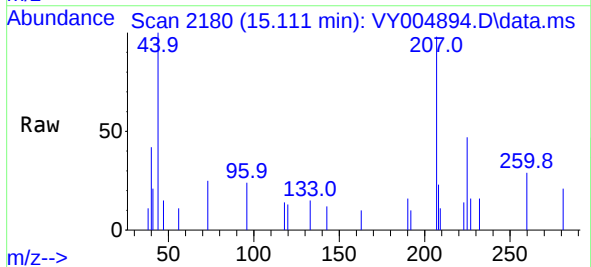
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

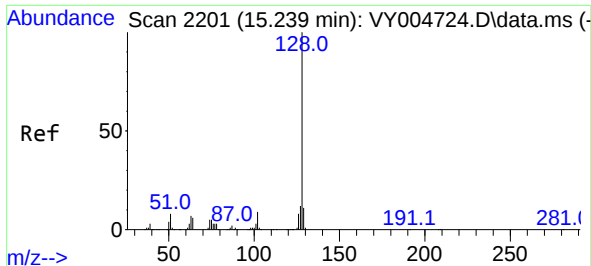
Tgt Ion:	180	Resp:	730
Ion	Ratio	Lower	Upper
180	100		
182	98.8	46.9	140.8
145	21.2	15.4	46.4



#94
Hexachlorobutadiene
Concen: 1.28 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	225	Resp:	243
Ion	Ratio	Lower	Upper
225	100		
223	50.6	31.1	93.3
227	34.2	31.3	93.9

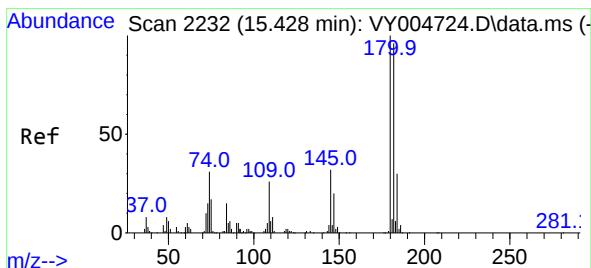
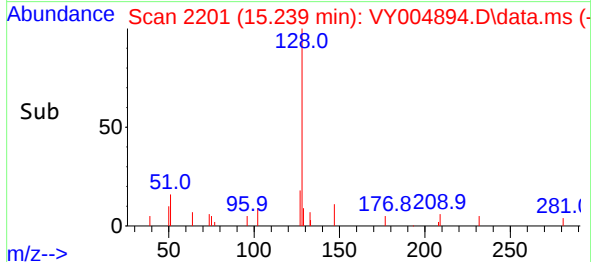
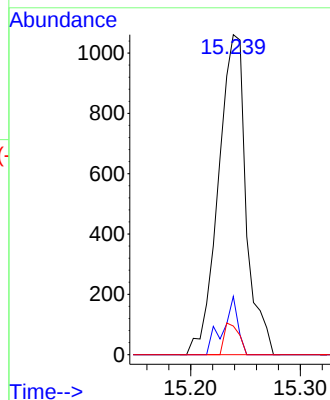
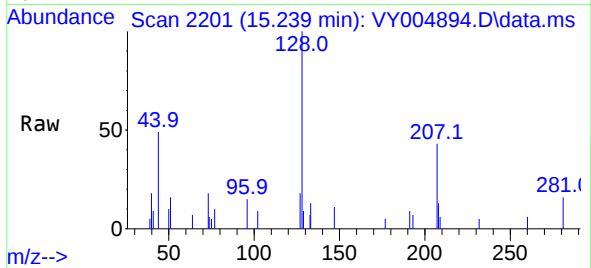




#95
Naphthalene
Concen: 2.47 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-052621

Tgt Ion:	128	Resp:	1871
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.2	15.2#
129	5.2	8.6	13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.13 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY004894.D
Acq: 27 May 2021 12:41

Tgt Ion:	180	Resp:	658
Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.9	143.7
145	40.4	16.3	48.8

